Camano Wood Stove

Owner's Manual

Save these instructions for future reference

SAFETY NOTICE:

If this appliance is not properly installed, a house fire may result. For your safety, follow the installation directions. Contact local building or fire officials about restrictions and installation inspection requirements in your area.

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Australia

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Tested By:
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Introduction

We welcome you as a new owner of a Camano wood-burning stove. In purchasing a Camano you have joined the growing ranks of concerned individuals whose selection of an energy system reflects both a concern for the environment and aesthetics. The Camano is one of the finest appliances the world over. This manual will explain the installation, operation, and maintenance of this appliance. Please familiarize yourself with the Owner's Manual before operating your appliance and save the manual for future reference. Included are helpful hints and suggestions which will make the installation and operation of your new appliance an easier and more enjoyable experience. We offer our continual support and guidance to help you achieve the maximum benefit and enjoyment from your appliance.

Important Information

No other Camano appliance has the same serial number as yours. The serial number is stamped onto the label on the back of the appliance.

This serial number will be needed in case you require service of any type.

Model: Camano

Serial Number: _____

Purchase Date: _____

Purchased From: _____

_____

_____

Mail your Warranty Card Today, and Save Your Bill of Sale.

To receive full warranty coverage, you will need to show evidence of the date you purchased your appliance. Do not mail your Bill of Sale to us.

We suggest that you attach your Bill of Sale to this page so that you will have all the information you need in one place should the need for service or information occur.

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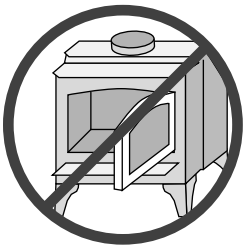
Safety Precautions



The viewing door must be closed and latched during operation.

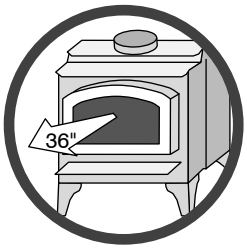
Never block free airflow through the air vents on this appliance.

Gasoline or other flammable liquids must never be used to start the fire or "Freshen Up" the fire. Do not store or use gasoline or other flammable liquids in the vicinity of this appliance. Do not burn garbage or flammable fluids such as gasoline, naphtha or engine oil.

This appliance is designed and approved for the burning of cord wood only. Do not attempt to burn any other type of fuel other than cord wood in this appliance, it will void all warranties and safety listings.

Ashes must be disposed in a metal container with a tight lid and placed on a non-combustible surface well away from the home or structure.

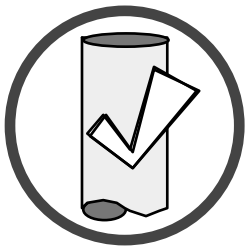
Do not touch the appliance while it is hot and educate all children of the danger of a high-temperature appliance. Young children should be supervised when they are in the same room as the appliance.



Keep furniture, drapes, curtains, wood, paper, and other combustibles a minimum of 36" (914mm) away from the front of the appliance. Do not store fuel under or around the appliance.

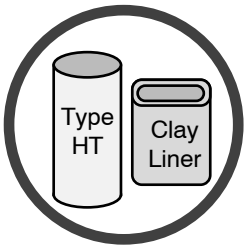
This appliance must be properly installed to prevent the possibility of a house fire. The instructions must be strictly adhered to. Do not use makeshift methods or compromise in the installation.

Contact your local building officials to obtain a permit and information on any installation restrictions or inspection requirements in your area. Notify your insurance company of this appliance as well.

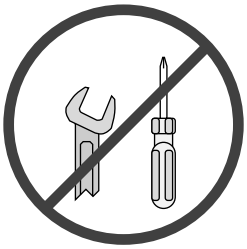


Inspect the chimney connector and chimney at least twice monthly and clean if necessary. Creosote may build up and cause a house fire.

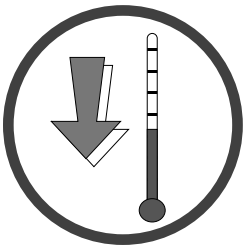
Do not connect this appliance to any chimney serving another appliance.



This appliance must be connected to a listed high temperature (UL 103 HT) residential type chimney or an approved masonry chimney with a standard clay tile, or stainless steel liner.



Never try to repair or replace any part of this appliance unless instructions are given in this manual. All other work must be done by a trained technician.

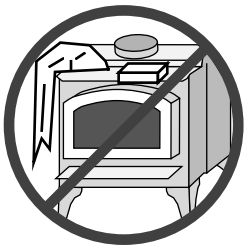


Allow the appliance to cool before carrying out any maintenance or cleaning.

Maintain the door and glass seal and keep them in good condition.

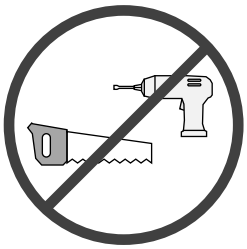
Avoid placing wood against the glass when loading. Do not slam the door or strike the glass.

Do not throw this manual away. This manual has important operating and maintenance instructions that you will need at a later time. Always follow the instructions in this manual.



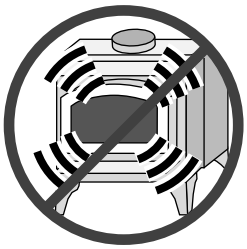
Do not place clothing or other flammable items on or near this appliance.

Hot while in operation. Keep children, clothing and furniture away. Contact may cause skin burns.

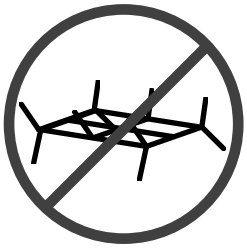


Do not make any changes or modifications to an existing masonry fireplace or chimney to install this appliance.

Do not make any changes to the appliance to increase combustion air.



Overfiring the appliance may cause a house fire. If a unit or chimney connector glows, you are overfiring.



Do not use a grate or other device to elevate the fire off of the firebox floor. Burn the fire directly on the bricks.

Travis Industries, Inc. grants no warranty, implied or stated, for the installation or maintenance of your appliance, and assumes no responsibility of any consequential damage(s).

Installation Options

- Freestanding
- Freestanding Hearth Stove

Features

- EPA Phase II Approved
- .05 Cubic Meter Firebox Volume
- Single Operating Control
- Accepts Logs Up to 457mm Long
- Steel Plate Construction (6mm & 5mm)
- Heavy Duty Refractory Firebrick
- Optional High-Tech Blower

Heating Specifications

Approximate Maximum Heating Capacity*	Up to 160 sq. meters
Maximum Burn Time	Up to 8 Hours

* Heating capacity will vary depending on the home's floor plan, degree of insulation, and the outside temperature. It is also affected by the quality and moisture level of the fuel.

Dimensions

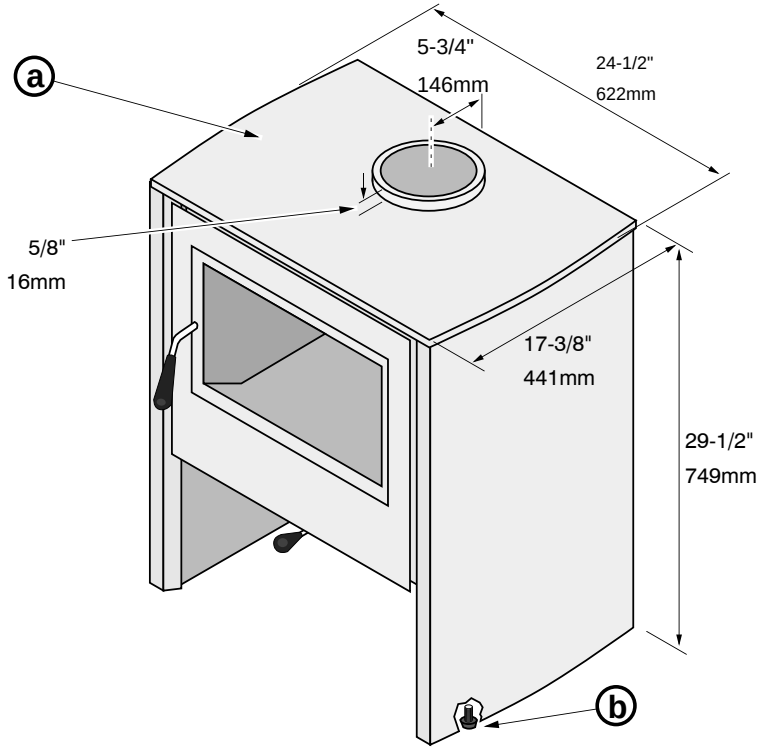


Figure 1

(a) Measure clearances from the stovetop.
(b) Leveling bolt

Emissions

- APPLIANCE EMISSION FACTOR BURNING HARDWOOD = 3.2 g/KG

SAFETY NOTICE:

Please read this entire manual before you install and use your new room heater. Failure to follow instructions may result in property damage, bodily injury, or even death. Contact local building or fire officials about restrictions and installation inspection requirements in your area.

Always use gloves when operating a hot stove. The door handle and other components become very hot during normal use.

Planning the Installation

We suggest that you have an authorized Travis Industries dealer install your stove. If you install the stove yourself, your authorized dealer should review your installation plans.

Check with local building officials for any permits required for installation of this stove and notify your insurance company before proceeding with installation.

Preparation for Installation

The stove can be lightened by removing the firebricks and baffle (pg. 25) - replace before operation.

- Check for damage to the exterior of the stove.
- Check the interior of the firebox (replace cracked firebrick and make sure baffle is in place).

8 Stove Installation (for qualified installers only)

Floor Protection Requirements

- Floor protection must extend to the sides, rear, and front of the stove (see "Clearances" below for minimum floor protection).
  NOTE: When installed with reduced-clearance connector, the clearance to the backwall may be less than the floor protection requirement. In this case the floor protection must extend to the wall.
- Floor protection must be a minimum 8mm (3/8") thick fibre-cement sheet with a thermal conductivity of 0.25W/degree K (or equivalent).

Stove Placement Requirements

Clearances may be reduced by methods specified in NFPA 211, listed wall shields, pipe shields, or other means approved by local building or fire officials.

- Stove must be placed so that no combustibles are within, or can swing within (e.g., drapes, doors), 914mm)of the front of the stove.
- If the stove is placed in a location where the ceiling height is less than 2134mm, additional requirements may apply (contact your local building official).
- Must maintain the clearances to combustibles listed below (drywall, furniture, etc.):

Clearances

- The following clearances must be met (see Figure 2)

Clearance Requirements:		No Flue Shield	With Flue Shield
A*	Sidewall to stove	500mm	500mm
B*	Backwall to stove	400mm	200mm
C*	Cornerwall to stove	500mm	150mm
D	Front Hearth	300mm	300mm
E	Side Hearth	200mm	200mm
F	Back Hearth	152mm	152mm

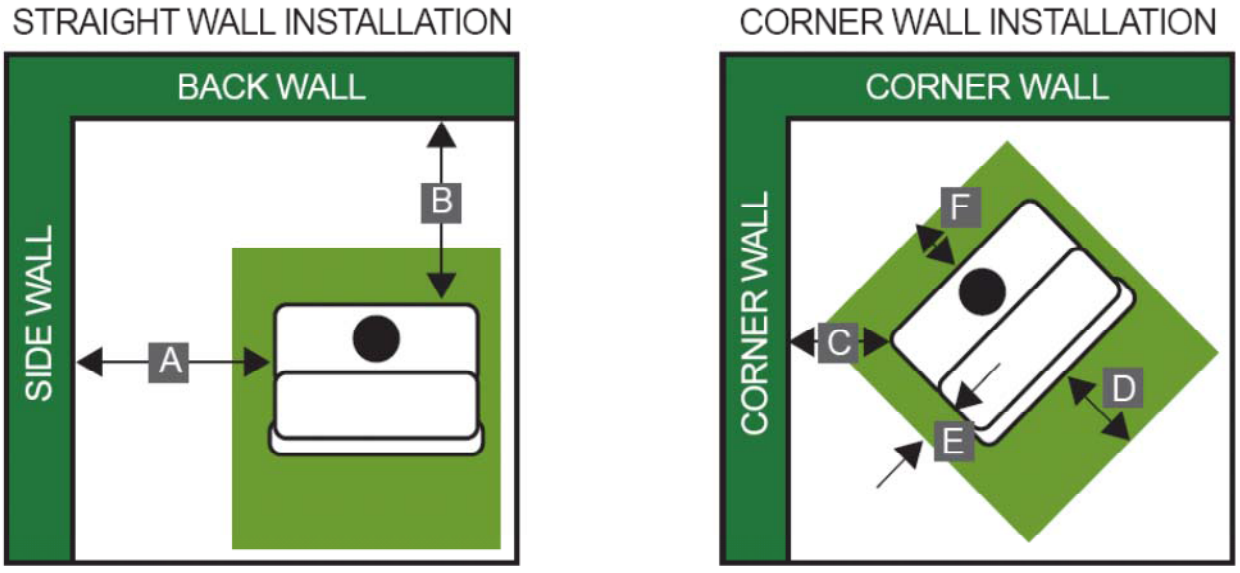


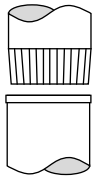
Figure 2

* Clearances to combustible material are according to heater test results using a standard flue kit, (AS/NZS 2918:2001) fitted with 1 length 900mm deco mesh with a heat shield or 1 length 900mm x 120° stainless steel heat shield as a minimum. Any further enquiries please contact Dragon Wholesaling Pty Ltd on 1800 064 234.

Chimney Connector Requirements

- The chimney connector must be 150mm diameter and stainless steel.

  NOTE: Aluminum or galvanized steel is not allowed – these materials cannot withstand the flue temperatures and may give off toxic fumes when heated.
- Chimney connector is required from the flue collar of the stove to the factory-built chimney (see Figure 4) or masonry chimney (see Figures 13, 14, and 15).
- The chimney connector may not pass through a ceiling, attic, roof, closet, or any other concealed space (use listed UL 103 HT chimney – see "Chimney Requirements for details). **DO NOT USE CONNECTOR PIPE AS CHIMNEY**.
- The chimney connector should be as short and direct as possible. No more than 180° of elbows (two 90° elbows, or two 45° & one 90° elbow, etc.) may be used for the entire system (connector and chimney). Horizontal runs should slope upwards 6mm per foot (305mm) and have a maximum length of 914mm.
- The chimney connector must be installed with the crimped end pointing downwards (see Figure 3). This prevents creosote from leaking to the exterior of the pipe.



On singlewall pipe the crimped end points downward.

Figure 3

- The chimney connector must be fastened to the stove and each adjoining section (and chimney).

Chimney Requirements

- DO NOT CONNECT THIS UNIT TO A CHIMNEY FLUE SERVING ANOTHER APPLIANCE.
- DO NOT CONNECT TO OR USE IN CONJUNCTION WITH ANY AIR DISTRIBUTION DUCTWORK UNLESS SPECIFICALLY APPROVED FOR SUCH INSTALLATIONS.
- IN CANADA: This appliance must be connected to a factory-built chimney conforming to CAN/ULC-S629, Standard for 650ºC Factory-Built Chimneys.
- UL 103 HT Chimney must be used from the first ceiling or floor penetration to the chimney cap.
- Use 6" diameter type UL 103 HT chimney from one manufacturer (do not mix brands) or code approved masonry chimney with a flue liner.
- Chimney must be fastened to each adjoining section.
- Follow the chimney manufacturer's clearances and requirements.
- Use the chimney manufacturer's fire stops, attic guards, roof supports, and flashings when passing through a ceiling.
- No more than 180° of elbows (two 90° elbows, or two 45° and one 90° elbow, etc.) may be used for the entire system (connector and chimney).

  NOTE: Additional elbows may be allowed if draft is sufficient. Whenever elbows are used the draft is adversely affected. Additional chimney height may be required to boost draft.

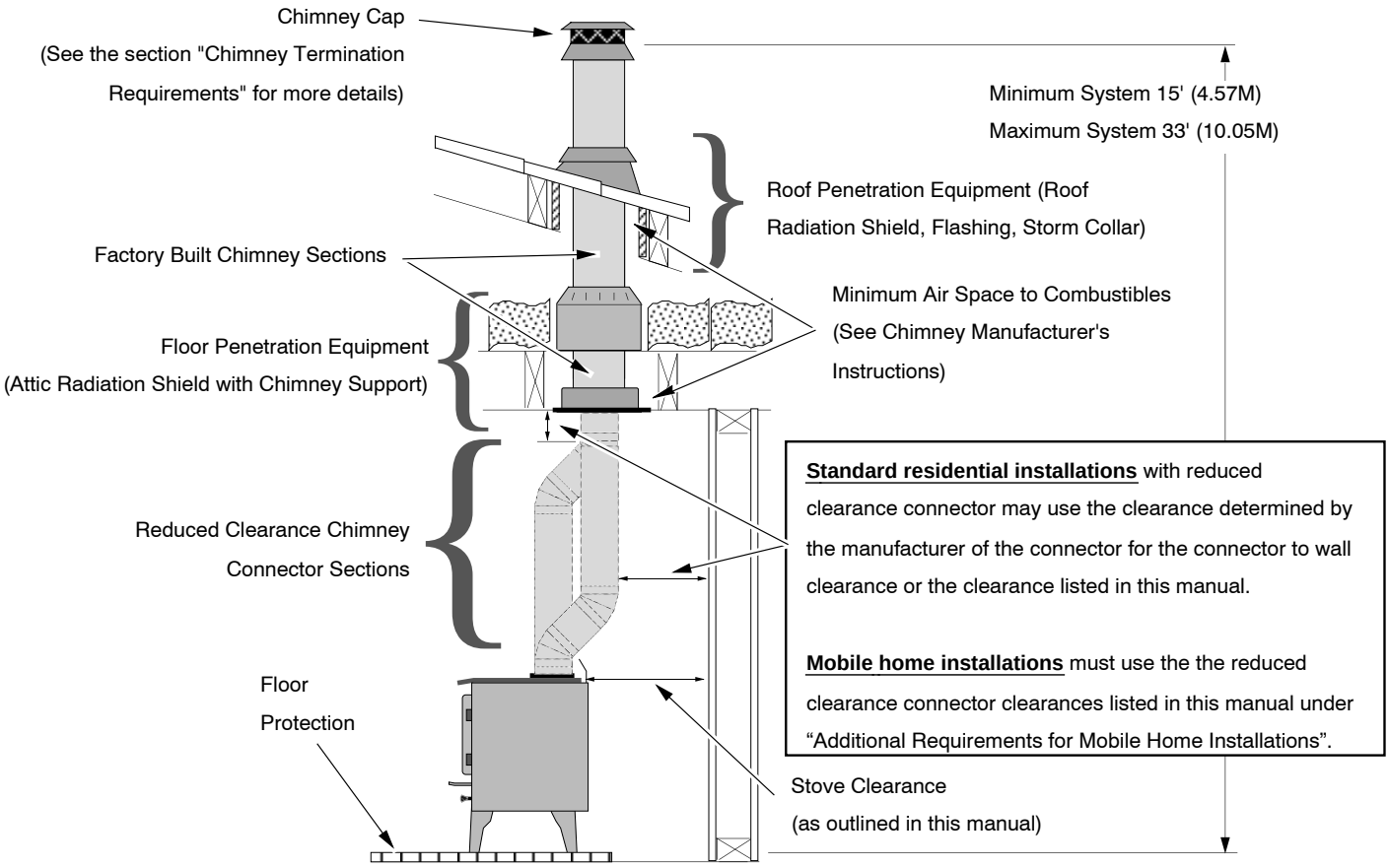

Chimney Cap
(See the section "Chimney Termination Requirements" for more details)
Minimum System 15' (4.57M)
Maximum System 33' (10.05M)
Roof Penetration Equipment (Roof Radiation Shield, Flashing, Storm Collar)
Factory Built Chimney Sections
Minimum Air Space to Combustibles (See Chimney Manufacturer's Instructions)
Floor Penetration Equipment (Attic Radiation Shield with Chimney Support)
Reduced Clearance Chimney Connector Sections
Standard residential installations with reduced clearance connector may use the clearance determined by the manufacturer of the connector for the connector to wall clearance or the clearance listed in this manual.
Mobile home installations must use the the reduced clearance connector clearances listed in this manual under "Additional Requirements for Mobile Home Installations".
Floor Protection
Stove Clearance (as outlined in this manual)

Figure 4

Drafting Performance	This appliance relies upon natural draft to operate. External forces, such as wind, barometric pressure, topography, or factors of the home (negative pressure from exhaust fans, chimneys, air infiltration, etc.), may adversely affect draft. Travis Industries cannot be responsible for external forces leading to less than optimal performance.

Chimney Termination Requirements

- Must have an approved cap (to prevent water from entering).
- Must not be located where it will become plugged by snow or other material.
- Must terminate at least 914mm above the roof **and** at least 610mm above any portion of the roof within 3.04M - see Figure 5.

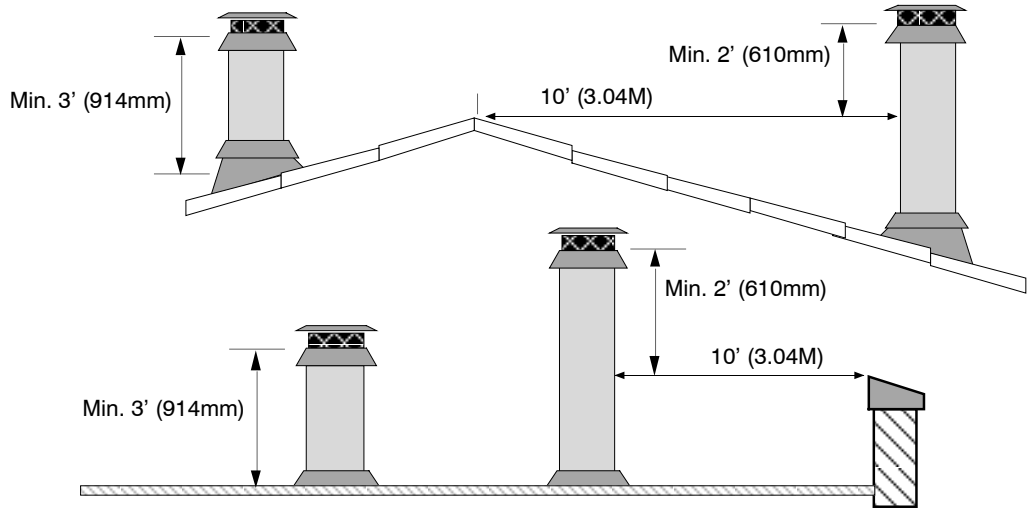


Figure 5

Outside Air Requirements

- Required for mobile homes & in certain localities (check with local building official)
- Must not be drawn from an enclosed space (garage, unventilated crawl space)
- Requires the outside air kit (sku 99200139 – see "a" below). The outside air kit attaches to the bottom of the stove (see "c" below).
- Outside air duct must have a rodent screen and rain hood ("b").
- NOTE: Make sure the center divider under the stove is in the farthest forward position.

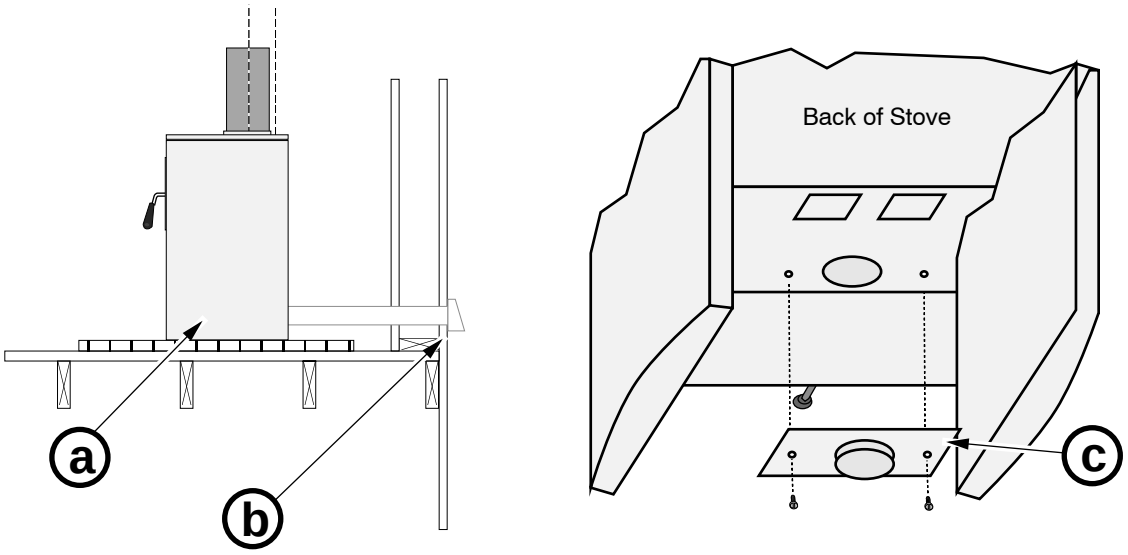


Figure 6

Standard Ceiling with a Factory Built Chimney

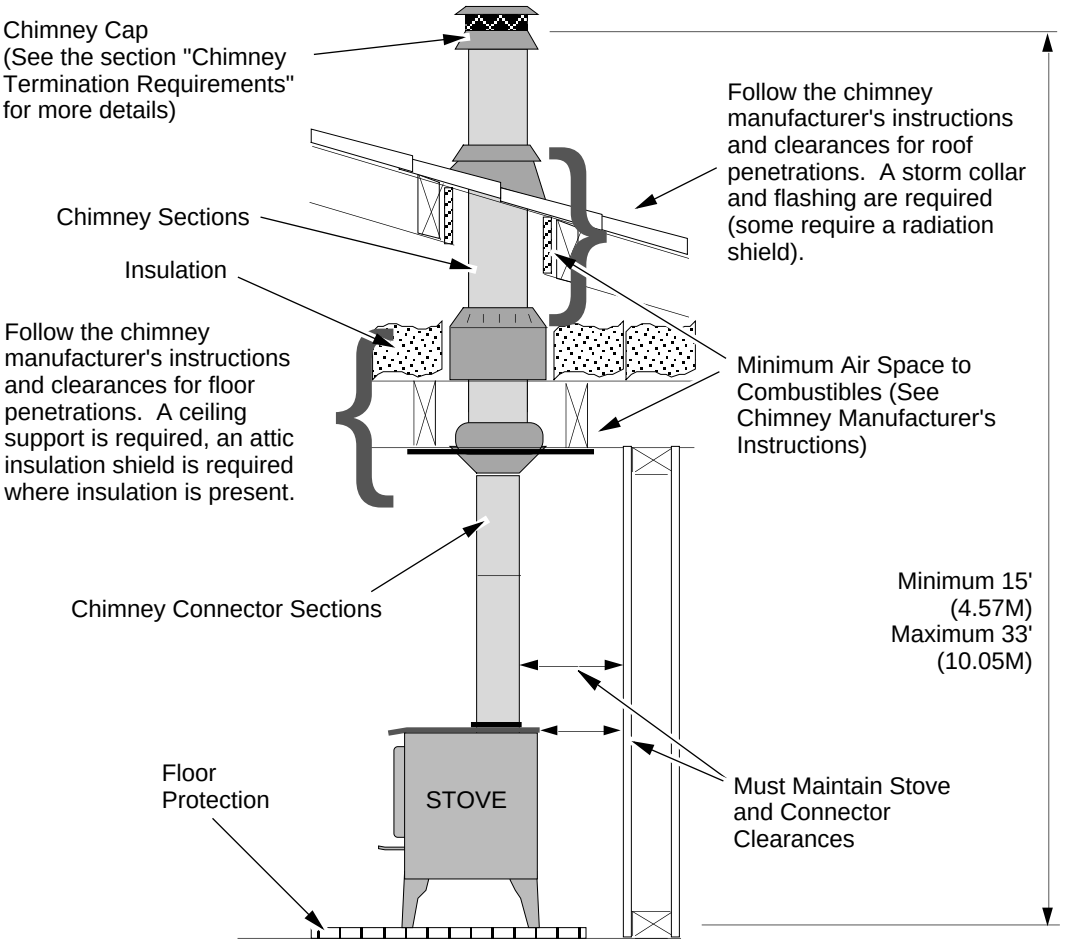

Chimney Cap
(See the section "Chimney Termination Requirements" for more details)
Follow the chimney manufacturer's instructions and clearances for roof penetrations. A storm collar and flashing are required (some require a radiation shield).
Chimney Sections
Insulation
Follow the chimney manufacturer's instructions and clearances for floor penetrations. A ceiling support is required, an attic insulation shield is required where insulation is present.
Minimum Air Space to Combustibles (See Chimney Manufacturer's Instructions)
Chimney Connector Sections
Minimum 15' (4.57M) Maximum 33' (10.05M)
Floor Protection
STOVE
Must Maintain Stove and Connector Clearances

Figure 7

Cathedral Ceiling with a Factory Built Chimney

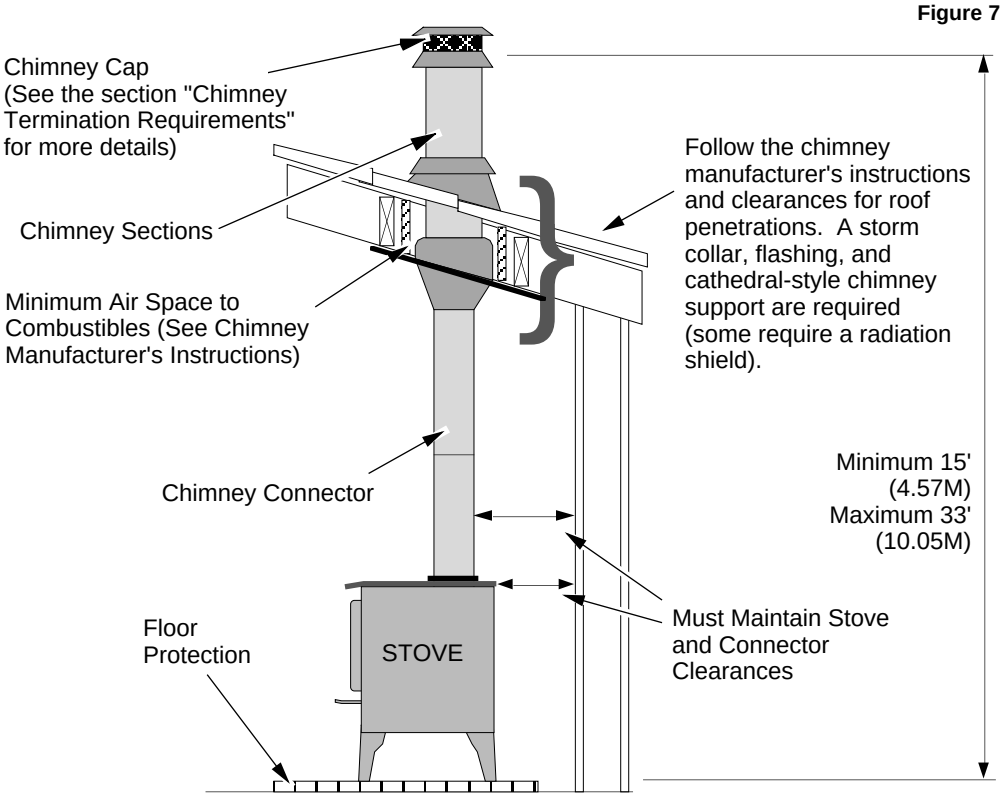

Chimney Cap
(See the section "Chimney Termination Requirements" for more details)
Follow the chimney manufacturer's instructions and clearances for roof penetrations. A storm collar, flashing, and cathedral-style chimney support are required (some require a radiation shield).
Chimney Sections
Minimum Air Space to Combustibles (See Chimney Manufacturer's Instructions)
Chimney Connector
Minimum 15' (4.57M) Maximum 33' (10.05M)
Floor Protection
STOVE
Must Maintain Stove and Connector Clearances

Figure 8

Exterior Factory Built Chimney

NOTE:

Exterior chimneys are subject to greater moisture and creosote accumulation due to the lower temperatures. An insulated chase will reduce these accumulations (the proper clearances to the chimney must be maintained).

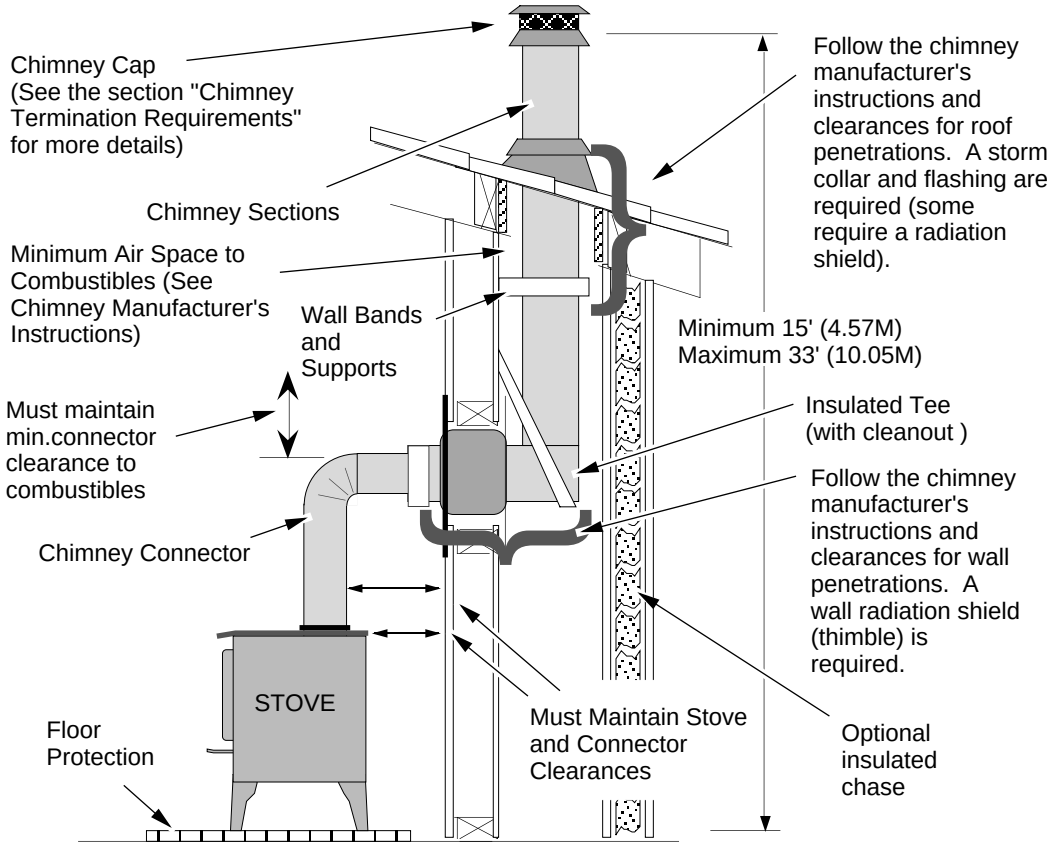

Chimney Cap
(See the section "Chimney Termination Requirements" for more details)
Chimney Sections
Minimum Air Space to Combustibles (See Chimney Manufacturer's Instructions)
Wall Bands and Supports
Must maintain min.connector clearance to combustibles
Chimney Connector
STOVE
Floor Protection
Follow the chimney manufacturer's instructions and clearances for roof penetrations. A storm collar and flashing are required (some require a radiation shield).
Minimum 15' (4.57M)
Maximum 33' (10.05M)
Insulated Tee (with cleanout)
Follow the chimney manufacturer's instructions and clearances for wall penetrations. A wall radiation shield (thimble) is required.
Must Maintain Stove and Connector Clearances
Optional insulated chase

Figure 9

Hearth Stove Positive Connection

NOTE:

Most factory-built chimney manufacturers make stainless steel chimney liners, either flexible or rigid. This provides a wide variety of installation options. Make sure to follow the manufacturer's instructions for installation and support.

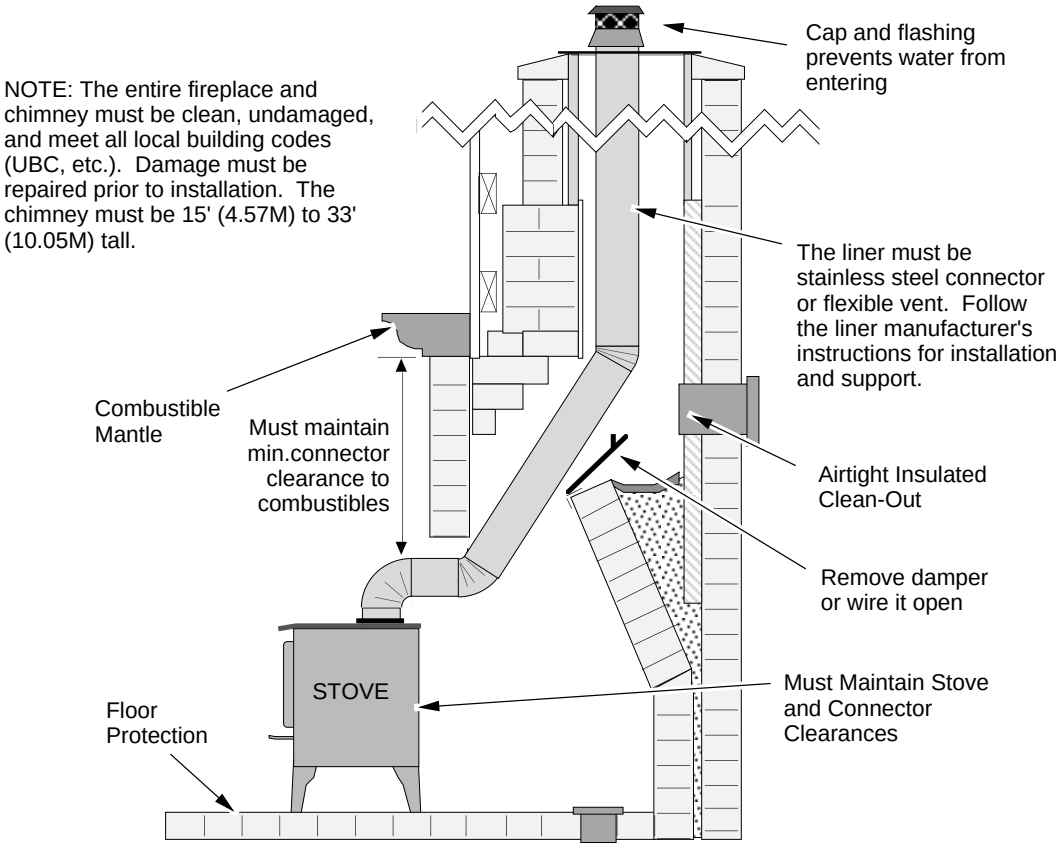

NOTE: The entire fireplace and chimney must be clean, undamaged, and meet all local building codes (UBC, etc.). Damage must be repaired prior to installation. The chimney must be 15' (4.57M) to 33' (10.05M) tall.
Cap and flashing prevents water from entering
The liner must be stainless steel connector or flexible vent. Follow the liner manufacturer's instructions for installation and support.
Combustible Mantle
Must maintain min.connector clearance to combustibles
Airtight Insulated Clean-Out
Remove damper or wire it open
STOVE
Floor Protection
Must Maintain Stove and Connector Clearances

Figure 10

Interior or Exterior Masonry Chimney

NOTE:

This type of installation is not allowed in Canada.

NOTE:

This type of installation requires a UBC approved masonry connector, an NFPA 211 approved method, or a method approved by local jurisdictions.

NOTE: The chimney must have a clay tile liner. If it does not, the installation must use a positive connection (full reline). The entire fireplace and chimney must be clean, undamaged, and meet all local building codes (UBC, etc.). Damage must be repaired prior to installation. The chimney must be 15' (4.57M) to 33' (10.05M) tall.

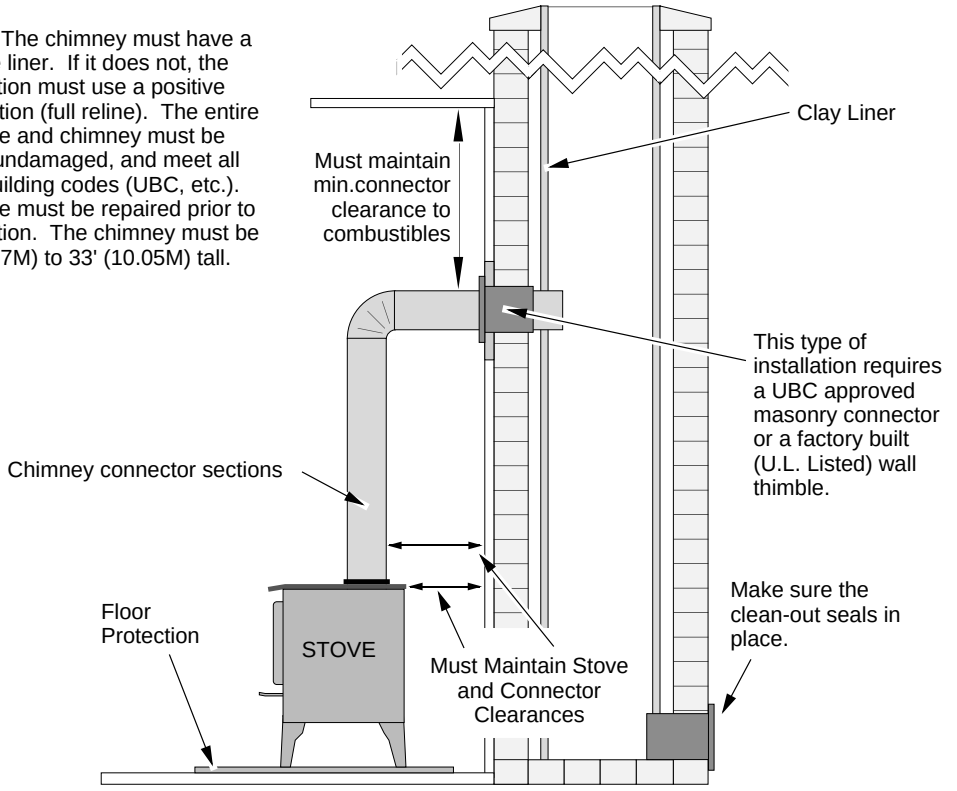

Clay Liner
Must maintain min.connector clearance to combustibles
This type of installation requires a UBC approved masonry connector or a factory built (U.L. Listed) wall thimble.
Chimney connector sections
Make sure the clean-out seals in place.
Floor Protection
STOVE
Must Maintain Stove and Connector Clearances

Figure 11

Safety Notice

If this appliance is not properly installed, a house fire may result. For your safety, follow the installation directions. Contact local building or fire officials about restrictions and installation inspection requirements in your area.

Read and follow all of the warnings on pages 4 and 5 of this manual.

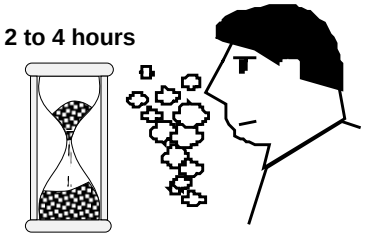
Before Your First Fire

Verifying the Installation

Before starting the stove, verify that the stove is properly installed and all of the requirements in this manual have been followed.

Keep all flammable materials 910mm away from the front of the stove (drapes, furniture, clothing, etc.).

Curing the Paint



This heater uses a heat-activated paint that will emit some fumes while starting the first fire. Open doors and windows to the room to vent these fumes. This typically lasts two to four hours. You may also notice oil burning off of the interior of the heater. This rust-stopping agent will soon dissipate.

Door Gasket - The door gasket might adhere to the paint on the front of the heater. Leave the door slightly ajar for the first fire and be careful when opening the door after the first fire.

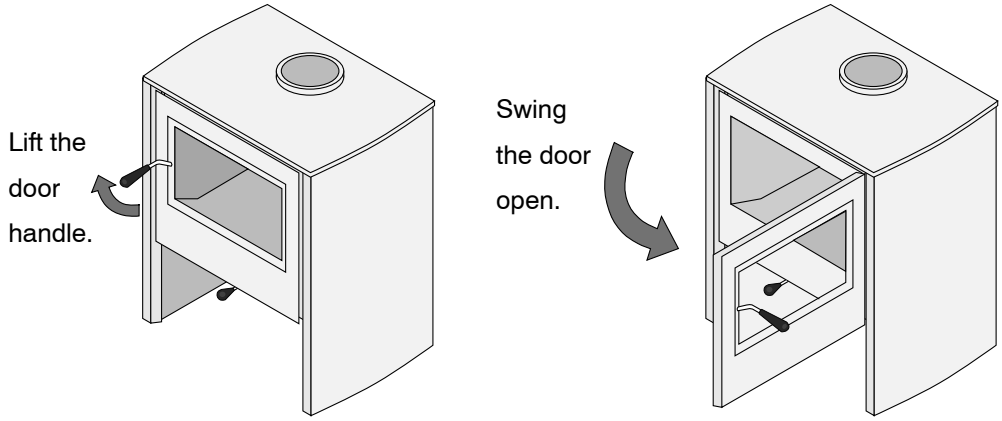
Over-Firing the Stove

This stove was designed to operate at a high temperature. But due to differences in vent configuration, fuel, and draft, this appliance can be operated at an excessive temperature. If the stovetop or other area starts to glow red, you are over-firing the stove. Shut the air control down to low and allow the stove to cool before proceeding.

Over-firing may lead to damage of plated surfaces. If you are uncertain of over-firing conditions, we suggest placing a stove thermometer (e.g., Rutland® Model 710) directly over the door on the stovetop - temperatures exceeding 800° are generally considered over-firing and will void the warranty.

Opening the Door

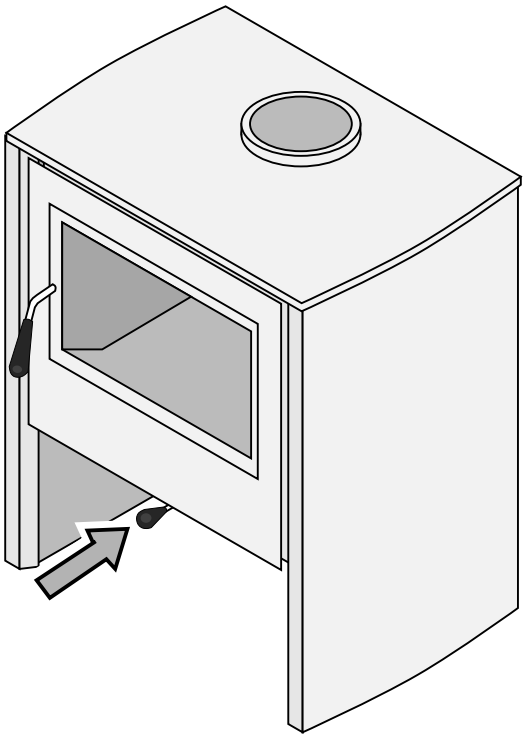
The door becomes hot during use. Use a glove to open the door if the handle is hot.



Starting a Fire

Since the dawn of time man has debated the best way to start a fire. Some use the boy-scout "tee-pee", some prefer the "tic-tac-toe" stack. Either way, review the hints and warnings below to ensure proper fire starting.

- Make sure the air control and is pushed in. If additional air is needed, open the doors 1/4" during the first five minutes of start-up.



Never use gasoline, gasoline-type lantern fuel, kerosene, charcoal lighter fluid, or similar liquids to start or "freshen up" a fire in this stove. Keep all such liquids well away from the stove while it is in use.

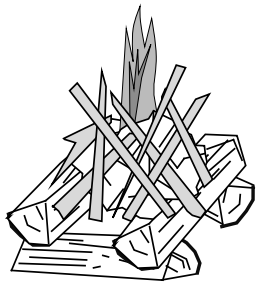
If using a firestarter, use only products specifically designed for stoves - follow the manufacturer's instructions carefully.

If the smoke does not pass up the chimney, ball up one sheet of newspaper, place it in the center of the firebox and light it. This should start the chimney drafting (this eliminates "cold air blockage").

Use plenty of kindling to ensure the stove reaches a proper temperature. Once the kindling is burning rapidly, place a few larger pieces of wood onto the fire.

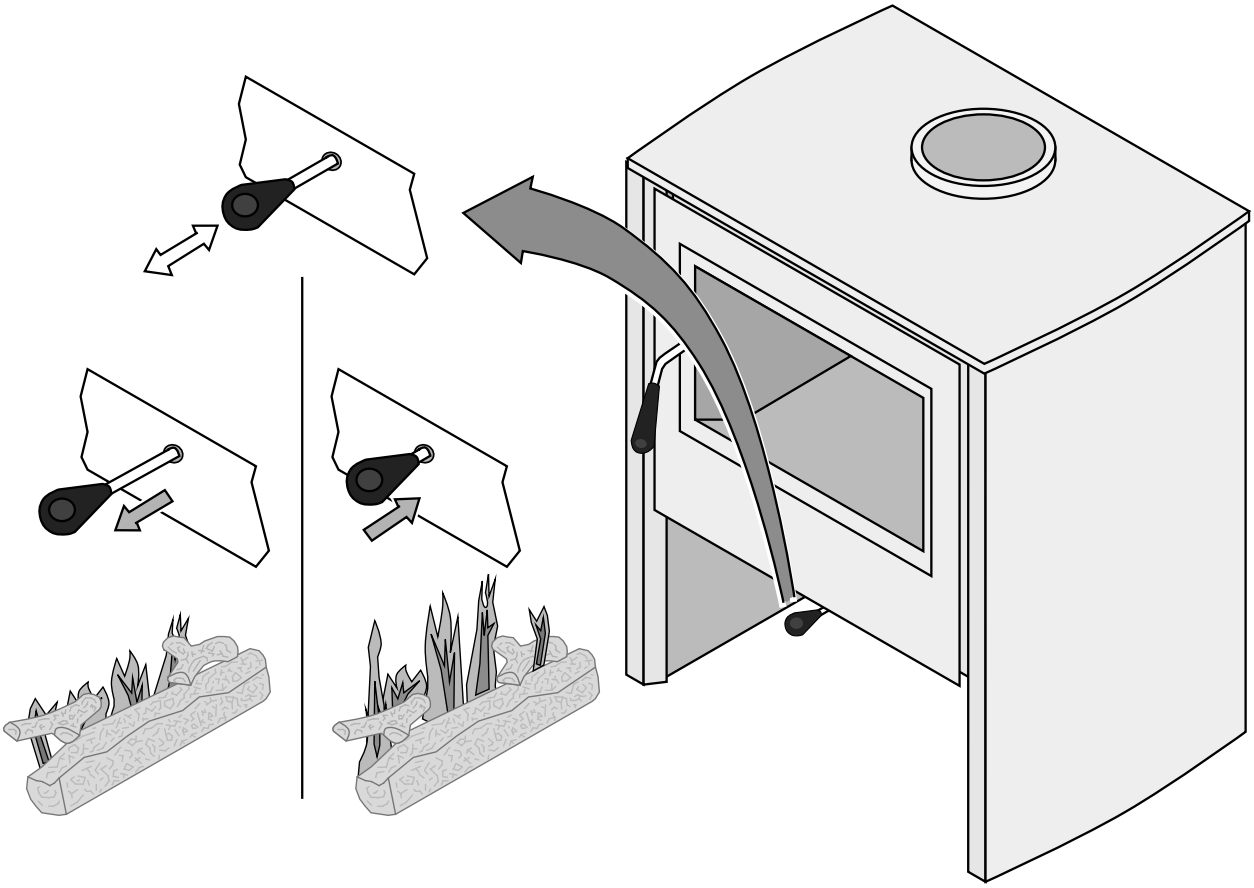
Starting a "Top-Down Fire"

One particularly successful method for starting a fire is to stack several large pieces of wood in the center of the stove (see the illustration to the right). Then place a several wads of newspaper in the center with kindling on top. When you light the newspaper this "top-down" fire will burn its way to the center, igniting the larger pieces. With some practice, this method should work for you.



Adjusting the Burn Rate

Use the air control slider to control the burn rate of the stove. See the illustration below for details.



Approximate Air Control Settings

Overnight Burn	Fully out to 7.1mm open
Medium Burn	7.1mm to 7.9mm open
Medium High Burn	7.9mm to 11.1mm open
High Burn	11.1mm to full in

The air control becomes hot during operation - use gloves or a tool to prevent burns.

The air control may take several minutes to influence the burn rate. When making adjustments, you may wish to let the stove burn for 10 minutes to gauge performance.

Ash Removal

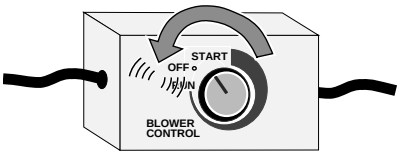
Ashes should be placed in a metal container with a tight fitting lid. Other waste is not placed in this container. The closed container of ashes should be placed on a non-combustible floor or on the ground, away from all combustible materials, pending final disposal. If the ashes are disposed of by burial in soil or otherwise locally dispersed, they should be retained in the closed container until all cinders have thoroughly cooled.

Optional Blower Operation

The blower is available to assist the convection chamber in distributing heat to your home. The directions below detail the options you have with the blower and the best method for operation.

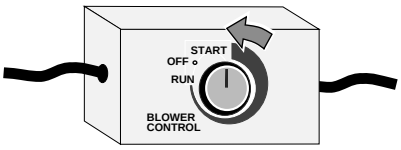
OFF

Turn the dial all the way counter-clockwise until it clicks off.



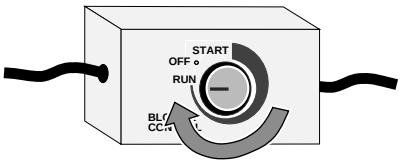
HIGH

The high position is all the way counter-clockwise, **without** clicking off.



LOW

Turn the dial all the way clockwise.



The blower may be used to affect heat output (i.e., to reduce heat output, turn the blower down).

Route the power cord in a location where it will not come in contact with the appliance or become hot.

Re-Loading the Stove

Follow the directions below to minimize smoke spillage while re-loading the stove.

1 Open the air control all the way (push it in).

2 Open the door slightly. Let the airflow inside the firebox to stabilize before opening the doors fully.

3 Load wood onto the fire.

Overnight Burn

This stove is large enough to accommodate burn times up to eight hours. Follow the steps below to achieve an overnight burn.

1 Move the air control to high burn and let the stove become hot (burn for approximately 15 minutes).

2 Load as much wood as possible. Use large pieces if possible.

3 Let the stove burn on high for 15 minutes to keep the stove hot, then turn the air control to low.

4 In the morning the stove should still be hot, with embers in the coal bed. Stir the coals and load small pieces of wood to re-ignite the fire, if desired.

Differences if chimney height and draft may lower overall burn times.

Normal Operating Sounds

Creaks and Clicks:

The thick steel may creak or click when the stove heats up and cools down – this is normal.

Blower Sounds:

The blower will make a slight “hum” as it pushes air through the stove.

Hint:

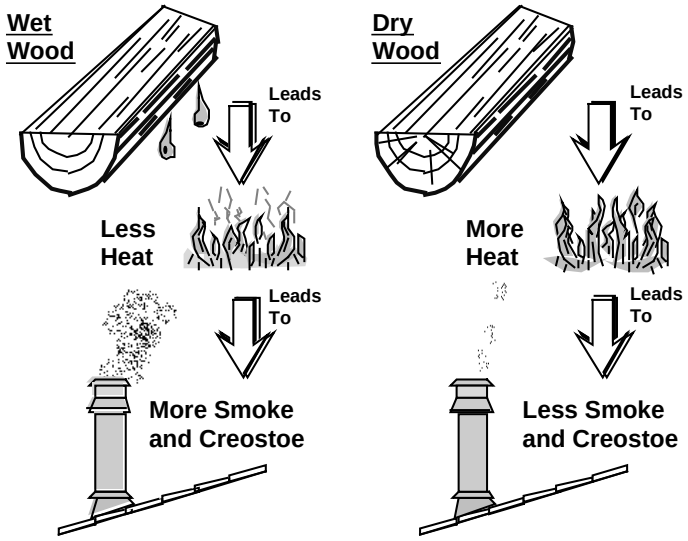
Make sure the leveling bolts on the legs are extended, preventing the hearth from amplifying any vibrations.

Hints for Burning

- Get the appliance hot before adjusting to low burn
- Use smaller pieces of wood during start-up and high burns to increase temperature
- Use larger pieces of wood for overnight or sustained burns
- Stack the wood tightly together to establish a longer burn
- Leave a bed of ashes (13mm deep) to allow for longer burns
- Be considerate of neighbors & the environment: burn dry wood only
- Burn small, intense fires instead of large, slow burning fires when possible
- Learn your appliance's operating characteristics to obtain optimum performance

Selecting Wood

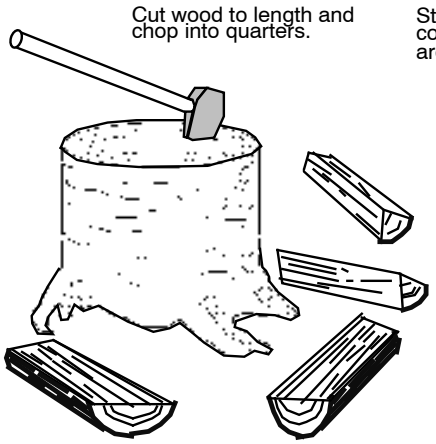
- Dry Wood is Key
- Dry wood burns hot, emits less smoke and creates less creosote.
- Testing Wood Moisture
- Split wood stored in a dry area will be fully dry within a year. This insures dry wood. If purchasing wood for immediate use, test the wood with a moisture meter. Some experienced wood burners can measure wood moisture by knocking pieces together and listening for a clear "knock" and not a "thud".

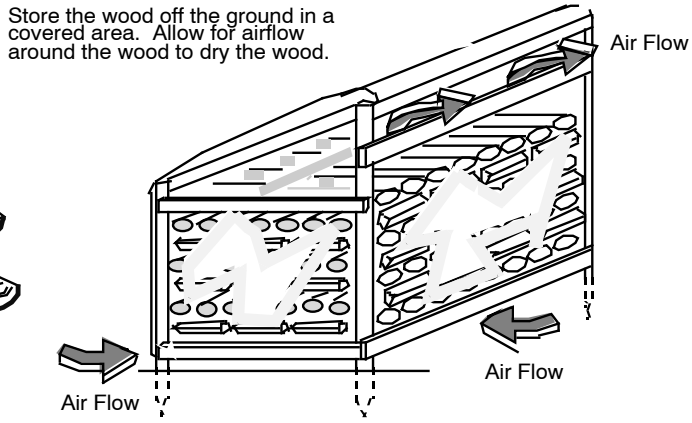


Why Dry Wood is Key

Wet wood, when burned, must release water stored within the wood. This cools the fire, creates creosote, and hampers a complete burn. Ask any experienced wood burner and he or she will agree: dry wood is crucial to good performance.

Wood Cutting and Storage





Troubleshooting

Problem	Possible Cause
Smoke Enters Room During Start-Up	• Open the air control (pg. 17). • Cold Air Blockage - burn a piece of newspaper to establish a draft. • If the flame is not getting enough air, a small crack in the door is all that is needed.
Kindling Does Not Start - Fire Smolders	• Open the air control (pg. 17). • Not enough starter paper - use additional newspaper if necessary. • If the flame is not getting enough air, a small crack in the door is all that is needed.
Smoke Enters Room While Re-Loading	• Open the air control before opening the door (pg. 17). • Let the air stabilize before fully opening the door. Then open the door approximately 1 inch. Let air go into the firebox for a few seconds. Once the smoke appears to be flowing up the chimney consistently, open the door. • Insufficient Draft - Chimney height and outside conditions can negatively affect draft. In these cases a small amount of smoke may enter the home. Adding more pipe or a draft-inducing cap may help.
Stove Does Not Burn Hot Enough	• Wood is Wet - see the section "Selecting Wood" on page 19 for details on wood. • Make sure the air control is all the way open. Slide the control back and forth to insure the control is not stuck. • Insufficient Draft - Chimney height and outside conditions can negatively affect draft. In these cases the fire may burn slowly. Adding more pipe or a draft-inducing cap may help.
Blower Does Not Run	• Stove is Not Up to Temperature - This is normal. The blower will come on when the stove is hot - usually 15 to 30 minutes. • Electricity is Cut to the Blower - Check the household breaker or fuse to make sure it is operable.
Stove Does Not Burn Long Enough	• Depending upon wood, draft, and other factors, the burn time may be shorter then stated. Make sure the doors are sealing and not allowing air into the firebox - See the section "Door and Glass Inspection" on page 22 for details. • Check the ash bed for coals. Often, coals are still glowing under a slight bed of flyash. By raking these into a pile you can re-start your stove quickly.

Failure to properly maintain and inspect your appliance may reduce the performance and life of the appliance, void your warranty, and create a fire hazard.

Establish a routine for the fuel, wood burner and firing technique. Check daily for creosote build-up until experience shows how often you need to clean to be safe. Be aware that the hotter the fire the less creosote is deposited, and weekly cleaning may be necessary in mild weather even though monthly cleaning may be enough in the coldest months. Contact your local municipal or provincial fire authority for information on how to handle a chimney fire. Have a clearly understood plan to handle a chimney fire.

Daily Maintenance (while stove is in use)

Remove Ash (if necessary)

- Ash removal is **not** required once it builds up. A layer of ash 13mm to 25mm may be desirable because it will slow the burn rate. Generally, remove ash once it has built up over 25mm. Follow the directions below to remove ash.

1 Let the stove cool completely (at least two hours after the last coal has extinguished).

2 Place a cloth or cardboard protector over the hearth to catch ash and protect against scratching.

3 Open the doors and scoop the ash into a metal container with a tight fitting lid. The closed container of ashes should be placed on a noncombustible floor or on the ground, away from all combustible materials, pending final disposal.

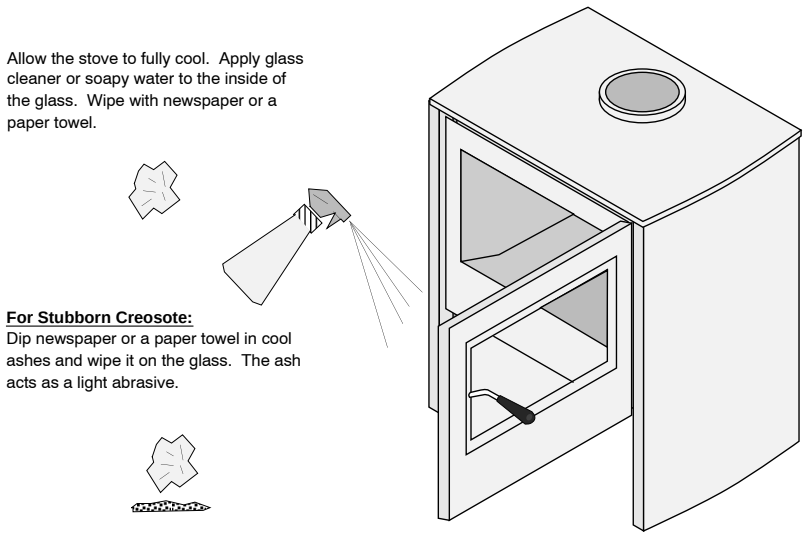
Improperly disposed ashes lead to fires. Hot ashes placed in cardboard boxes, dumped in back yards, or stored in garages, are recipes for disaster.

Wood-burning stoves are inherently dirty. During cleaning have a vacuum ready to catch spilled ash (make sure ash is entirely extinguished).

There are vacuum cleaners specifically made to remove ash (even if the ash is warm). Contact your dealer for details.

Clean the Glass (if necessary)

This appliance has an airwash to keep the glass clean. However, burning un-seasoned wood or burning on lower burn rates leads to dirtier glass (especially on the sides). Clean the glass by following the directions below. Do not use abrasive cleaners.


Allow the stove to fully cool. Apply glass cleaner or soapy water to the inside of the glass. Wipe with newspaper or a paper towel.
For Stubborn Creosote:
Dip newspaper or a paper towel in cool ashes and wipe it on the glass. The ash acts as a light abrasive.

The glass will develop a very slight haze over time. This is normal and will not affect viewing of the fire.

Monthly Maintenance (while appliance is in use)

Make sure the appliance has fully cooled prior to conducting service.

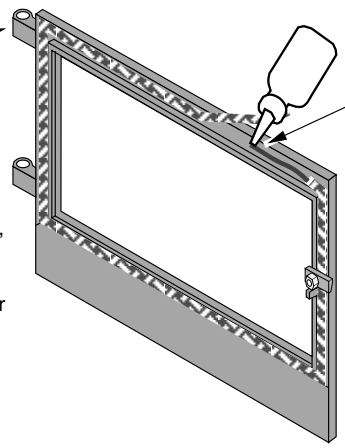
Door and Glass Inspection

The door must form an air-tight seal to the firebox for the stove to work correctly. Inspect the door gasket to make sure it forms an air-tight seal to the firebox.

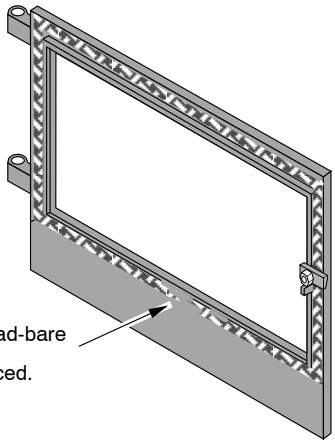
The door can be lifted off the hinges if extensive repairs are conducted.

High-Temperature anti-sieze may be used on the door hinges to eliminate squeaks.

If the glass is damaged, replace it - see "Replacement Parts" for details.

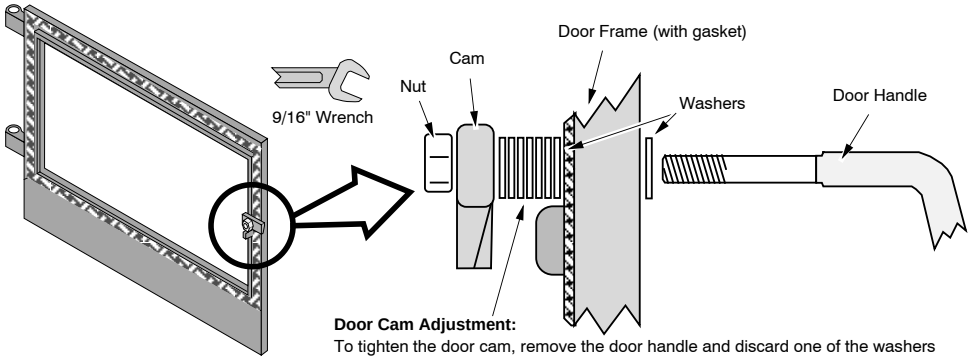


Use RTV high temperature silicone to adhere any loose gasket.



Severely frayed or thread-bare gasket should be replaced.

The door latch should pull the door against the face of the stove (but not so tight as to not allow full handle rotation). If the latch requires adjustment, follow the directions below.



Door Cam Adjustment:
To tighten the door cam, remove the door handle and discard one of the washers betwen the door frame and cam. To loosen the door cam, add a washer between the door frame and cam.

Creosote - Formation and Need for Removal

When wood is burned slowly, it produces tar and other organic vapors, which combine with expelled moisture to form creosote. The creosote vapors condense in the relatively cool chimney flue of a slow-burning fire. As a result, creosote residue accumulates on the flue lining. When ignited, this creosote makes an extremely hot fire. The chimney and chimney connector should be inspected at least once every two months during the heating season to determine if a creosote buildup has occurred. If creosote has accumulated, it should be removed to reduce the risk of a chimney fire.

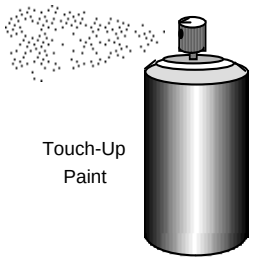
If you are not certain of creosote inspection, contact your dealer or local chimney sweep for a full inspection. Excess creosote buildup may cause a chimney fire that may result in property damage, injury, or death.

Yearly Maintenance

Make sure the appliance has fully cooled prior to conducting service.

Touch-Up Paint

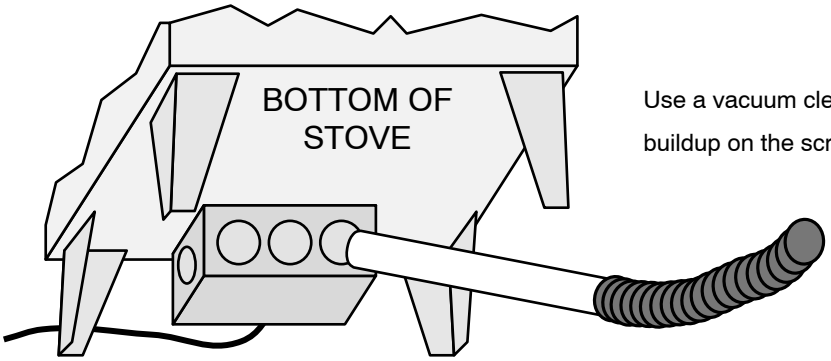
Included with the owner's pack of this appliance is a can of Stove-Brite® paint. To touch up nicks or dulled paint, apply the paint while the appliance is cool. Sand rusted or damaged areas before preparation (use 120-grit sandpaper). Clean and dry the area to prepare the surface. Wait at least one hour before starting the appliance. The touched up area will appear darker than the surrounding paint until it cures from heat. Curing will give off some fumes while curing – open windows to ventilate.



Touch-Up Paint

Cleaning the Air Duct and Blower (if applicable)

Use a vacuum to clean the air ducts (channels). This prevents dust from burning and creating odors. The optional blower should be vacuumed every year to remove any buildup of dust, lint, etc.



Use a vacuum cleaner to remove any buildup on the screens of the blower.

Firebrick and Baffle Inspection

Use the illustration on page 25 as a reference for checking the following items. Make sure the appliance is cool before proceeding.

Baffle Firebricks - check the bricks along the ceiling of the firebox to make sure they are intact and have no gaps between them. Slide the bricks to eliminate any gaps.

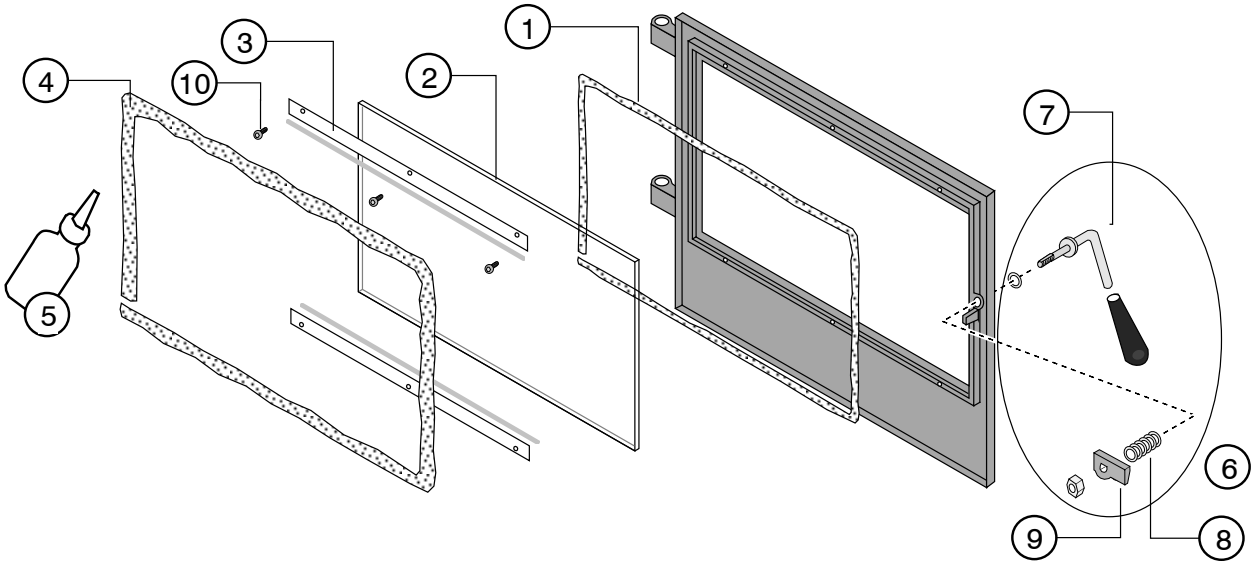
Baffle Supports - make sure the front and back baffle supports in are place and not degraded. Slight scaling or rusting of the metal is normal.

Secondary Air Tubes - Check the air tubes and collars to make sure they are intact and not severely deteriorated. Slight scaling or rusting of the metal is normal. Make sure the pins hold the air tubes in place.

Floor and Wall Firebricks - replace any severely damaged firebrick along the side or floor of the firebox.

Door Parts

Lopi Republic Door



ID #	Description	Qty	Part #		ID #	Description	Qty	Part #
1	Glass Gasket	1	250-00173		2	Camano Glass	1	250-02073
3	Glass Clip w Gasket– 3 Hole	2	250-00174		4	Door Gasket	1	250-00178
5	RTV High Temp. 600° Silicone				6	Camano Door Handle Asbly	1	250-02074
7	Camano Door Handle (phenolic)	1	91001605		8	Door Washer	1	250-00364
9	Door Cam	1	250-00598		10	Screws (8) 8-32 x 1/2" Torx	1	225-20039

Replacing the Glass

The glass must not contact the door or glass clips directly. The glass gasket and glass clip gaskets insulate the glass to prevent cracking. Do not over-tighten the glass clips.

Place the door front side down. Insert the glass gasket into the groove along the inside perimeter of the door. Place the glass on top of the gasket and secure with the glass clips.

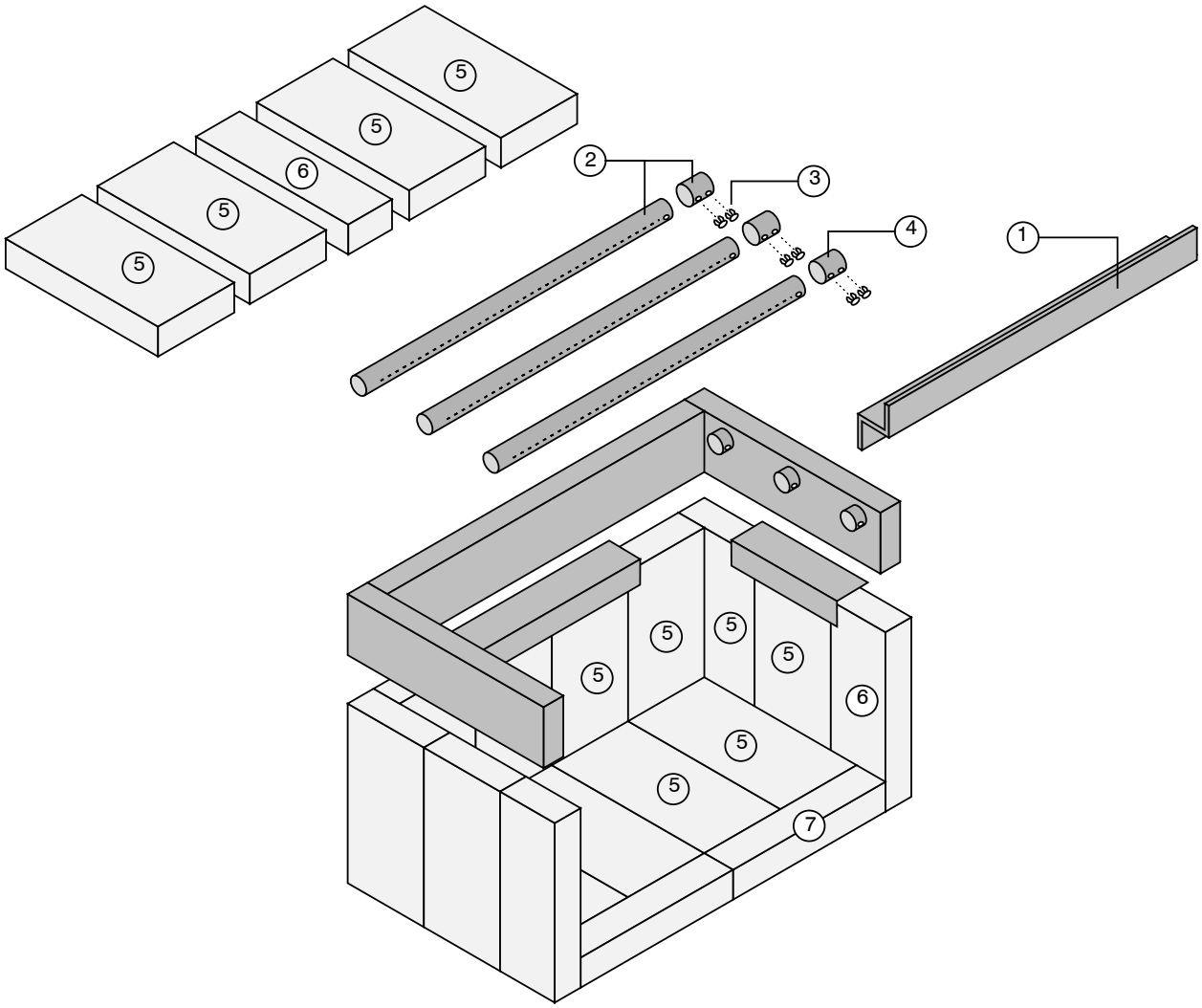
Replacing the Door Gasket

The door gasket inserts into the outer groove of the door and is secured with RTV high-temperature 600° silicone. Before installing, remove any residual silicone. Lay the gasket in place (start at the lower left corner) and cut off any excess gasket (do not stretch the gasket. The cement fully cures with heat from the stove. You may need to open and close the door repeatedly to get the gasket to seat fully.

Replacing the Door Handle

See the illustration above for a component list (see pg. 22 for details on adjusting the door).

Firebox Parts



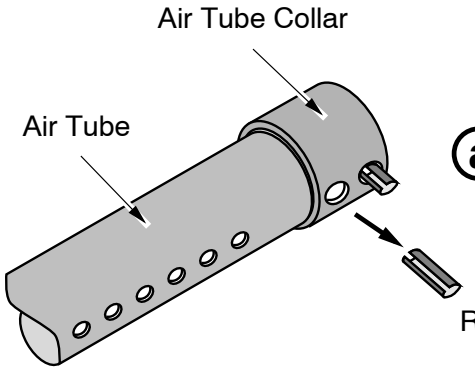
ID #	Description	Qty	Part #		ID #	Description	Qty	Part #
1	Baffle Support "S" Bar	1	99900294		2	Air Tube with Sleeve NOTE: The Australian heater has only one air tube at the rear of the firebox.	3	98900232
3	Air Tube Roll Pins	6	98900357		4	Air Tube Retainer Sleeve	3	250-00042
5	Brick - 9" x 4.5" un-cut	16	251-00000		6	Brick, Cut - 9" x 2.25"	3	251-00001
7	Brick, Cut - 9" x 1.375"	2	251-00018					

Floor and Side Firebrick Removal & Replacement

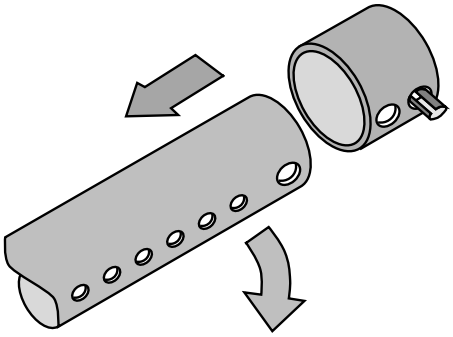
Do not pry firebrick - they chip and crack easily. Remove the floor firebricks first. The side firebricks are removed later because they are pinned in place by the floor firebrick. Clean the firebox prior to replacing the firebrick.

Air Tube Removal & Replacement

All three air tubes are identical.



(a) Remove the left pin on the air tube collar



(b) Slide the air tube to the left, swing it down and remove from the firebox.

Baffle Removal & Replacement

The baffle is held up by the front air tube. Make sure to support the baffle after removing the air tubes.

- Lift the four baffle firebricks then lift the baffle deflector up and over its resting position.
- Slide the bricks forward and tilt them downwards to remove.

Limited 7 Year Warranty 27

To register your 7 Year Warranty, complete the enclosed warranty card and mail it within ten (10) days of the appliance purchase date to:. **Dragon Wholesaling Pty. Ltd., Unit 2, 16 Lexington Drive, Bella Vista NSW 2153, Australia**. DRAGON WHOLESALING warrants this appliance (appliance is defined as the equipment manufactured by Travis Industries, Inc.) to be defect-free in material and workmanship to the original purchaser from the date of purchase as follows:

Check with your dealer in advance for any costs to you when arranging a warranty call.
Mileage or service charges are not covered by this warranty. This charge can vary from store to store.

Years 1 & 2 - COVERAGE: PARTS & LABOR

- Firebox Assembly:
  Firebox, Baffle Supports, Air Tubes, Air Channels, Convection Chamber
- Door Assembly:
  Cast Door, Latch Assembly, Glass Retainers
- Air Control Assembly
  Slider Plate, Pressure Plate
- Ceramic Glass
  Glass (breakage from thermal shock)
- Firebrick
  Breakage from thermal shock
- Accessories
  Legs, Pedestal, Blower
- Re-Installation Allowance
  In cases where heater must be removed from home for repairs, a partial cost of re-installation is covered (pre-authorization required)
- One-Way Freight Allowance
  One-way freight allowance on pre-authorized repair done at factory is covered.

***Exclusions*:** Paint, Gasketing

Years 3 THROUGH 5 - COVERAGE: PARTS & LABOR

- Firebox Assembly:
  Firebox, Baffle Supports, Air Tubes, Air Channels, Convection Chamber
- Air Control Assembly
  Slider Plate, Pressure Plate
- Door Assembly:
  Cast Door, Latch Assembly, Glass Retainers
- One-Way Freight Allowance
  One-way freight allowance on pre-authorized repair done at factory is covered.

***Exclusions*:** Paint, Gasketing, Accessories (Legs, Pedestal, Panels, Blower), Glass, Firebrick, Re-Installation Allowance

Years 6 THROUGH 7 - COVERAGE: PARTS

- Firebox Assembly:
  Firebox, Baffle Supports, Air Tubes, Air Channels, Convection Chamber
- Air Control Assembly
  Slider Plate, Pressure Plate
- Door Assembly:
  Cast Door, Latch Assembly, Glass Retainers

***Exclusions*:** Paint, Gasketing, Accessories (Legs, Pedestal, Panels, Blower), Glass, Firebrick, Re-Installation Allowance, One-Way Freight Allowance, Labor Charges

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CONDITIONS & EXCLUSIONS

1. This new appliance must be installed by a qualified installer. It must be installed, operated, and maintained at all times in accordance with the instructions in the Owner's Manual. Any alteration, willful abuse, accident, neglect, or misuse of the product shall nullify this warranty.
2. This warranty is nontransferable, and is made to the ORIGINAL purchaser, provided that the purchase was made through an authorized Travis dealer.
3. Discoloration and some minor expansion, contraction, or movement of certain parts and resulting noise, is normal and not a defect and, therefore, not covered under warranty.
4. This warranty does not cover misuse of the stove. Misuse includes over-firing (operation where the connector or stove may glow red) of this appliance can cause serious damage and will nullify this warranty. Misuse includes use of salt saturated wood, chemically treated wood, or any fuel not recommended in the manual.
5. Damage to the stove due to improper break-in procedures (see manual for proper break in).
6. The salt air environment of coastal areas or a high humidity environment can be corrosive to the castings. These conditions can be corrosive and can cause the cast iron to rust. This warranty does not cover any damage caused by a salt air or high humidity environment.
7. Damage to the appliance while it is in transit is not covered by this warranty, but is subject to a claim against the common carrier.
8. The warranty, as outlined within this document, does not apply to the chimney components or other Non-Travis accessories used in conjunction with the installation of this product. If in doubt as to the extent of this warranty, contact your authorized Travis retailer before installation.
9. Travis Industries will not be responsible for inadequate performance caused by environmental conditions such as nearby trees, buildings, roof tops, wind, hills or mountains or negative pressure or other influences from mechanical systems such as furnaces, fans, clothes dryers, etc.
10. This Warranty is void if:
    a. The appliance has been operated in atmospheres contaminated by chlorine, fluorine or other damaging chemicals.
    b. The appliance is subject to submersion in water or prolonged periods of dampness or condensation.
    c. Any damage to the appliance, combustion chamber, heat exchanger or other components due to water, or weather damage which is the result of, but not limited to, improper chimney/venting installation.
11. Exclusions to this 7 year Warranty include: injury, loss of use, damage, failure to function due to accident, negligence, misuse, improper installation, alteration or adjustment of the manufacturer's settings of components, lack of proper and regular maintenance, damage incurred while the appliance is in transit, alteration, or act of God.
12. This 7 year warranty excludes damage caused by normal wear and tear, such as paint discoloration or chipping, worn or torn gasketing, chipped or cracked firebrick, etc. Also excluded is damage to the appliance caused by abuse, improper installation, modification of the appliance, or the use of fuel other than that for which the appliance is configured (use cord wood only).
13. Damage to brass or plated surfaces caused by fingerprints, scratches, melted items, or other external sources left on the surfaces from the use of abrasive cleaners is not covered in this warranty. Damage to the surfaces from over-firing (operation where the steel may glow red) is not covered in this warranty.
14. TRAVIS INDUSTRIES, INC. is free of liability for any damages caused by the appliance, as well as inconvenience expenses and materials. Incidental or consequential damages are not covered by this warranty. In some states, the exclusion of incidental or consequential damage may not apply.
15. This warranty does not cover any loss or damage incurred by the use or removal of any component or apparatus to or from the Travis appliance without the express written permission of TRAVIS INDUSTRIES, INC. and bearing a TRAVIS INDUSTRIES, INC. label of approval. This warranty does not cover a stove repaired by someone other than a Travis Industries authorized dealer.
16. Any statement or representation of Travis products and their performance contained in Travis advertising, packaging literature, or printed material is not part of this 7 year warranty.
17. This warranty is automatically voided if the appliance's serial number has been removed or altered in any way. If the appliance is used for commercial purposes, it is excluded from this warranty.
18. No dealer, distributor, or similar person has the authority to represent or warrant Travis products beyond the terms contained within this warranty. TRAVIS INDUSTRIES, INC. assumes no liability for such warranties or representations.
19. Travis Industries will not cover the cost of the removal or re-installation of hearths, facing, mantels, venting or other components.
20. If for any reason any section of this warranty is declared invalid, the balance of the warranty remains in effect and all other clauses shall remain in effect.
21. This 7 year warranty is the only warranty supplied by Travis Industries, Inc., the manufacturer of the appliance. All other warranties, whether express or implied, are hereby expressly disclaimed and purchaser's recourse is expressly limited to the warranties set forth herein.

IF WARRANTY SERVICE IS NEEDED:

1. If you discover a problem that you believe is covered by this warranty, you MUST REPORT it to your Travis dealer WITHIN 30 DAYS, giving them proof of purchase, the purchase date, and the model name and serial number.
2. Travis Industries has the option of either repairing or replacing the defective component.
3. If your dealer is unable to repair your appliance's defect, he may process a warranty claim through DRAGON WHOLESALING, including the name of the dealership where you purchased the appliance, a copy of your receipt showing the date of the appliance's purchase, and the serial number on your appliance. At that time, you may be asked to ship your appliance, freight charges prepaid, to DRAGON WHOLESALING. DRAGON WHOLESALING, at its option, will repair or replace, free of charge, your appliance if it is found to be defective in material or workmanship within the time frame stated within this 7 year warranty. DRAGON WHOLESALING will return your appliance, freight charges (years 1 to 3) prepaid by DRAGON WHOLESALING, to your regional distributor, or dealership.
4. Check with your dealer in advance for any costs to you when arranging a warranty call. Mileage or service charges are not covered by this warranty. This charge can vary from store to store.
5. Any appliance or part thereof that is repaired or replaced during the limited warranty period will be warranted under the terms of the limited warranty for a period not to exceed the remaining term of the original limited warranty or six(6) months, whichever is longer.

Listing Label

LOPI CAMANO FREESTANDING

TESTED BY: AMDEL THEBARTON SOUTH AUSTRALIA 1999

- MAXIMUM AVERAGE HEAT OUTPUT BURNING HARDWOOD = 10.9 KW
- OVERALL AVERAGE EFFICIENCY BURNING HARDWOOD = 61.6% WHEN TESTED IN ACCORDANCE WITH AS/NZS 4012
- APPLIANCE EMISSION FACTOR BURNING HARDWOOD = 3.2 g/Kg

TESTED TO: AS/NZS 4013: 1999 REPORT NUMBER: L4506/94

Manufactured Exclusively for:
DRAGON WHOLESALING PTY. LTD., INC.
UNIT 2, 16 Lexington Drive
Bella Vista NSW 2153
Australia

By:
TRAVIS INDUSTRIES, INC.
Mukilteo, WA USA

U.S. Environmental Protection Agency
Export Stove. May not be operated within the United States

Date of Manufacture

2011	2012	2013	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

0958

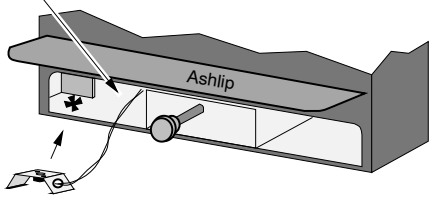
Rear Blower Installation (Part # 99000138)

The rear blower improves heat transfer by pushing heated air through the convection channel. Operating instructions are described in the section "Blower Operation".

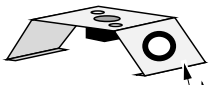
a Twist the wires together and feed them through the convection chamber and out of the slot on the rear of the stove (either side).

b Wedge the snap disk directly in front of the stiffener on the left side.

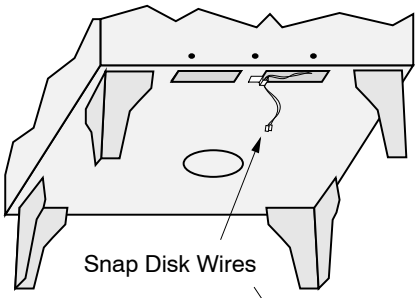
c Remove all slack from the wire and secure with the included wire clip.



Snap Disk Assembly



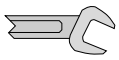
Bend these legs on the snap disk if it does not fit tightly



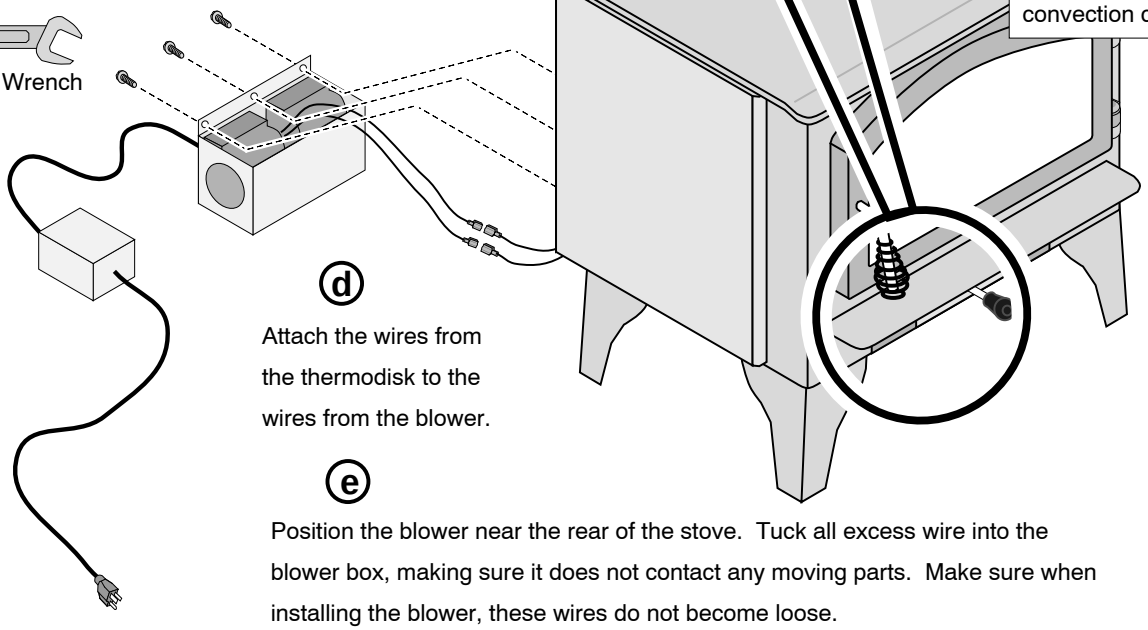
Wire Clip

WARNING:
To prevent electrical shock, the wires must be secured so they do not contact the firebox above the convection channel.

f Attach the blower to the stove with the three screws included with the blower.



3/8" Wrench



d Attach the wires from the thermodisk to the wires from the blower.

e Position the blower near the rear of the stove. Tuck all excess wire into the blower box, making sure it does not contact any moving parts. Make sure when installing the blower, these wires do not become loose.

g Plug the blower in. Do not route the power cord under or over the stove or in a location where it may become damaged.

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